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Artificial Intelligence Chipset Market Report: Trends, Forecast and Competitive Analysis to 2030

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Abstracts

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Artificial Intelligence Chipset Trends and Forecast

The future of the global artificial intelligence chipset market looks promising with opportunities in the healthcare, manufacturing, automotive, retail & e-commerce, marketing, consumer electronic, and BFSI sectors. The global artificial intelligence chipset market is expected to reach an estimated $81.1 billion by 2030 with a CAGR of 36.4% from 2024 to 2030. The major drivers for this market are rising demand for powerful computing, increasing numbers of smart homes and cities, and increasing use of AI in a variety of sectors, such as IT, automotive, retail, and healthcare.

A more than 150-page report is developed to help in your business decisions. Sample figures with some insights are shown below.

Artificial Intelligence Chipset by Segment

The study includes a forecast for the global artificial intelligence chipset by type, function, technology, end use industry, and region.

Artificial Intelligence Chipset Market by Type [Shipment Analysis by Value from 2018 to 2030]:

CPU (Central Processing Unit)

GPU (Graphics Processing Unit)

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FPGA (Field Programmable Gate Arrays)

ASIC (Application-Specific Integrated Circuit)

Others

Artificial Intelligence Chipset Market by Function [Shipment Analysis by Value from 2018 to 2030]:

Training

Inference

Artificial Intelligence Chipset Market by Technology [Shipment Analysis by Value from 2018 to 2030]:

Cloud Computing

Edge Computing

Artificial Intelligence Chipset Market by End Use Industry [Shipment Analysis by Value from 2018 to 2030]:

Healthcare

Manufacturing

Automotive

Retail & E-Commerce

Marketing

Consumer Electronics

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BFSI

Others

Artificial Intelligence Chipset Market by Region [Shipment Analysis by Value from 2018 to 2030]:

North America

Europe

Asia Pacific

The Rest of the World

List of Artificial Intelligence Chipset Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies artificial intelligence chipset companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the artificial intelligence chipset companies profiled in this report include-

Intel

Nvidia

Qualcomm Technologies

Micron Technology

Advanced Micro Devices

Samsung Electronics

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Apple

IBM

Alphabet

Huawei Technologies

Artificial Intelligence Chipset Market Insights

Lucintel forecasts that GPU will remain the largest segment due to its increasing use in edge devices, virtual assistants, AR/VR (virtual reality/augmented reality), and advanced 3D gaming.

APAC is expected to witness highest growth over the forecast period due to rapid digitization, rising number of AI based startups, and increasing number of technically skilled workforce in the region.

Features of the Global Artificial Intelligence Chipset Market

Market Size Estimates: Artificial Iintelligence chipset market size estimation in terms of value ($B).

Trend and Forecast Analysis: Market trends (2018 to 2023) and forecast (2024 to 2030) by various segments and regions.

Segmentation Analysis: Artificial Iintelligence chipset market by various segments, such as by type, function, technology, end use industry and region in terms of($B).

Regional Analysis: Artificial Iintelligence chipset market breakdown by North America, Europe, Asia Pacific, and Rest of the World.

Growth Opportunities: Analysis of growth opportunities in different types, functions, technologies, end use industries, and regions for the artificial intelligence chipset market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape of the artificial intelligence chipset market.

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Analysis of competitive intensity of the industry based on Porter’s Five Forces model.

FAQ

Q.1 What is the artificial intelligence chipset market size?

Answer: The global artificial intelligence chipset market is expected to reach an estimated $81.1 billion by 2030.

Q.2 What is the growth forecast for artificial intelligence chipset market?

Answer: The global artificial intelligence chipset market is expected to grow with a CAGR of 36.4% from 2024 to 2030.

Q.3 What are the major drivers influencing the growth of the artificial intelligence chipset market?

Answer: The major drivers for this market are rising demand for powerful computing, increasing numbers of smart homes and cities, and increasing use of AI in a variety of sectors, such as IT, automotive, retail, and healthcare .

Q4. What are the major segments for artificial intelligence chipset market?

Answer: The future of the artificial intelligence chipset market looks promising with opportunities in the healthcare, manufacturing, automotive, retail & e-commerce, marketing, consumer electronic, and BFSI sectors.

Q5. Who are the key artificial Iintelligence chipset market companies?

Answer: Some of the key artificial intelligence chipset companies are as follows:

Intel

Nvidia

Qualcomm Technologies

Micron Technology

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Advanced Micro Devices

Samsung Electronics

Apple

IBM

Alphabet

Huawei Technologies

Q6. Which artificial intelligence chipset market segment will be the largest in future?

Answer: Lucintel forecasts that GPU will remain the largest segment due to its increasing use in edge devices, virtual assistants, AR/VR (virtual reality/augmented reality), and advanced 3D gaming.

Q7. In artificial intelligence chipset market, which region is expected to be the largest in next 5 years?

Answer: APAC is expected to witness highest growth over the forecast period due to rapid digitization, rising number of AI based startups, and increasing number of technically skilled workforce in the region.

Q.8 Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% customization without any additional cost.

This report answers following 11 key questions:

Q.1. What are some of the most promising, high-growth opportunities for the artificial intelligence chipset market by type (CPU, GPU, FPGA, ASIC, and others), function (training and inference), technology (cloud and edge), end use industry (healthcare, manufacturing, automotive, retail & e-commerce, marketing, consumer electronics, BFSI, and others), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

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Q.2. Which segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

Q.6. What are the emerging trends in this market and the reasons behind them?

Q.7. What are some of the changing demands of customers in the market?

Q.8. What are the new developments in the market? Which companies are leading these developments?

Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?

Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?

Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

For any questions related to Artificial Intelligence Chipset Market, Artificial Intelligence Chipset Market Size, Artificial Intelligence Chipset Market Growth, Artificial Intelligence Chipset Market Analysis, Artificial Intelligence Chipset Market Report, Artificial Intelligence Chipset Market Share, Artificial Intelligence Chipset Market Trends, Artificial Intelligence Chipset Market Forecast, Artificial Intelligence Chipset Companies, write Lucintel analyst at email: helpdesk@lucintel.com. We will be glad to get back to you soon.

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7.5: Advanced Micro Devices
7.6: Samsung Electronics
7.7: Apple
7.8: IBM
7.9: Alphabet
7.10: Huawei Technologies

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